

Wen-Shuai Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

232
papers

8,921
citations

54
h-index

83
g-index

250
ext. papers

11,224
ext. citations

6.9
avg, IF

6.45
L-index

#	Paper	IF	Citations
232	Aerobic ultra-deep desulfurization of diesel oil triggered by porous carbon supported organic molecular N-hydroxyphthalimide catalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128455	5.1	0
231	Synthesis of task-specific ternary deep eutectic solvents for deep desulfurization via reactive extraction. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022 , 171, 108754	3.7	0
230	Enhanced adsorption performance for antibiotics by alcohol-solvent mediated boron nitride nanosheets. <i>Rare Metals</i> , 2022 , 41, 342	5.5	3
229	Construction of truncated-octahedral LiMn2O4 for battery-like electrochemical lithium recovery from brine. <i>Green Energy and Environment</i> , 2022 ,	5.7	2
228	Metal-organic framework encapsulated high-loaded phosphomolybdic acid: A highly stable catalyst for oxidative desulfurization of 4,6-dimethyldibenzothiophene. <i>Fuel</i> , 2022 , 309, 122143	7.1	4
227	Fluorine-free strategy for hydroxylated Ti3C2/Ti3AlC2 catalysts with enhanced aerobic oxidative desulfurization and mechanism. <i>Chemical Engineering Journal</i> , 2022 , 430, 132950	14.7	7
226	High-index planes T-Nb2O5 using self-assembly strategy for aerobic oxidative desulfurization in fuels. <i>Fuel</i> , 2022 , 307, 121877	7.1	3
225	Photocatalytic oxidative of Keggin-type polyoxometalate ionic liquid for enhanced extractive desulfurization in binary deep eutectic solvents. <i>Chinese Journal of Chemical Engineering</i> , 2022 , 44, 205-211	2.7	1
224	Unveiling the role of high-valent copper cations in the selective catalytic reduction of NOx with NH3 at low temperature. <i>Fuel</i> , 2022 , 318, 123607	7.1	0
223	Three-dimensional Ce-MOFs-derived Ce@C-BN nanobundles for adsorptive desulfurization. <i>Applied Surface Science</i> , 2022 , 590, 152926	6.7	1
222	VO2 uniformly supported by 3D g-C3N4: A highly effective catalyst for deep oxidative desulfurization. <i>Fuel</i> , 2022 , 319, 123792	7.1	2
221	Electronic state tuning over Mo-doped W18O49 ultrathin nanowires with enhanced molecular oxygen activation for desulfurization. <i>Separation and Purification Technology</i> , 2022 , 294, 121167	8.3	1
220	Highly selective separation of lithium with hierarchical porous lithium-ion sieve microsphere derived from MXene. <i>Desalination</i> , 2022 , 537, 115847	10.3	2
219	Magnesium-regulated oxygen vacancies of cobalt-nickel layered double hydroxide nanosheets for ultrahigh performance asymmetric supercapacitors.. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 772-781	9.3	6
218	CTAB-controlled synthesis of phenolic resin-based nanofiber aerogels for highly efficient and reversible SO2 capture. <i>Chemical Engineering Journal</i> , 2021 , 431, 133715	14.7	4
217	Edge-Site-Rich Ordered Macroporous BiOCl Triggers C?O Activation for Efficient CO Photoreduction. <i>Small</i> , 2021 , e2105228	11	2
216	Sustainable preparation of graphene-analogue boron nitride by ball-milling for adsorption of organic pollutants. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 42, 73-73	3.2	0

215	Sustainable and Convenient Recovery of Valuable Metals from Spent Li-Ion Batteries by a One-Pot Extraction Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 13851-13861	8.3	5
214	Unraveling the effects of O-doping into h-BN on the adsorptive desulfurization performance by DFT calculations. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106463	6.8	3
213	Synthesis of Guanidinium-Based Poly(ionic liquids) with Nonporosity for Highly Efficient SO ₂ Capture from Flue Gas. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5984-5991	3.9	19
212	High-performance adsorptive desulfurization by ternary hybrid boron carbon nitride aerogel. <i>AIChE Journal</i> , 2021 , 67, e17280	3.6	20
211	Efficient and remarkable SO ₂ capture: A discovery of imidazole-based ternary deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115595	6	8
210	Dynamically-generated TiO ₂ active site on MXene Ti ₃ C ₂ : Boosting reactive desulfurization. <i>Chemical Engineering Journal</i> , 2021 , 416, 129022	14.7	17
209	Tailoring hydrophobic deep eutectic solvent for selective lithium recovery from the mother liquor of Li ₂ CO ₃ . <i>Chemical Engineering Journal</i> , 2021 , 420, 127648	14.7	17
208	Theoretical prediction of the SO absorption by hollow silica based porous ionic liquids. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 103, 107788	2.8	9
207	A Janus cobalt nanoparticles and molybdenum carbide decorated N-doped carbon for high-performance overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021 , 583, 614-625	9.3	17
206	Hierarchical porous boron nitride with boron vacancies for improved adsorption performance to antibiotics. <i>Journal of Colloid and Interface Science</i> , 2021 , 584, 154-163	9.3	24
205	BN/ZIF-8 derived carbon hybrid materials for adsorptive desulfurization: Insights into adsorptive property and reaction kinetics. <i>Fuel</i> , 2021 , 288, 119685	7.1	11
204	Progress in electrochemical lithium ion pumping for lithium recovery. <i>Journal of Energy Chemistry</i> , 2021 , 59, 431-445	12	10
203	Scalable and facile synthesis of V ₂ O ₅ nanoparticles via ball milling for improved aerobic oxidative desulfurization. <i>Green Energy and Environment</i> , 2021 , 6, 169-175	5.7	20
202	Defect Engineering on Boron Nitride for O Activation and Subsequent Oxidative Desulfurization. <i>ChemPhysChem</i> , 2021 , 22, 168-177	3.2	1
201	Pt nanoparticles encapsulated on V ₂ O ₅ nanosheets carriers as efficient catalysts for promoted aerobic oxidative desulfurization performance. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 557-562	11.3	29
200	Aerobic Oxidative Desulfurization by Nanoporous Tungsten Oxide with Oxygen Defects. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1085-1093	5.6	14
199	Engineering a tandem leaching system for the highly selective recycling of valuable metals from spent Li-ion batteries. <i>Green Chemistry</i> , 2021 , 23, 2177-2184	10	21
198	Insight into the oxidative desulfurization of high-sulfur petroleum coke under mild conditions: a journey of vanadium-substituted Dawson-type phosphotungstic acid. <i>Petroleum Science</i> , 2021 , 18, 983	4.4	1

197	Engineering Highly Dispersed Pt Species by Defects for Boosting the Reactive Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2828-2837	3.9	4
196	Binary molten salts mediated defect engineering on hexagonal boron nitride catalyst with long-term stability for aerobic oxidative desulfurization. <i>Applied Surface Science</i> , 2021 , 558, 149724	6.7	5
195	Controllable electronic effect via deep eutectic solvents modification for boosted aerobic oxidative desulfurization. <i>Molecular Catalysis</i> , 2021 , 512, 111757	3.3	0
194	Sulfate ionic liquids impregnated 2D boron nitride nanosheets for trace SO ₂ capture with high capacity and selectivity. <i>Separation and Purification Technology</i> , 2021 , 270, 118824	8.3	4
193	Extractive desulfurization of diesel fuel by amide-based type IV deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116620	6	5
192	Unique Z-scheme carbonized polymer dots/Bi ₄ O ₅ Br ₂ hybrids for efficiently boosting photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2021 , 293, 120182	21.8	24
191	Theoretical Insights into CO ₂ /N ₂ Selectivity of the Porous Ionic Liquids Constructed by Ion-Dipole Interactions. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117676	6	3
190	Comparative study of halogen-doped (X Cl, Br, I) hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105886	6.8	2
189	In situ fabrication of hollow silica confined defective molybdenum oxide for enhanced catalytic oxidative desulfurization of diesel fuels. <i>Fuel</i> , 2021 , 305, 121470	7.1	13
188	Facile Construction of Magnetic Ionic Liquid Supported Silica for Aerobic Oxidative Desulfurization in Fuel. <i>Catalysts</i> , 2021 , 11, 1496	4	
187	Heteroatom Bridging Strategy in Carbon-Based Catalysts for Enhanced Oxidative Desulfurization Performance.. <i>Inorganic Chemistry</i> , 2021 ,	5.1	4
186	Amorphous TiO ₂ -Derived Large-Capacity Lithium Ion Sieve for Lithium Recovery. <i>Chemical Engineering and Technology</i> , 2020 , 43, 1784-1791	2	17
185	Revealing the role of oxygen vacancies in bimetallic PbBiO ₂ Br atomic layers for boosting photocatalytic CO ₂ conversion. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119170	21.8	36
184	High-entropy oxide stabilized molybdenum oxide via high temperature for deep oxidative desulfurization. <i>Applied Materials Today</i> , 2020 , 20, 100680	6.6	13
183	Fast heterogeneous oxidative desulfurization of dibenzothiophene from ionic liquids supported urchin-like meso-silica. <i>Materials Express</i> , 2020 , 10, 199-205	1.3	0
182	Harnessing strong metal-support interactions via a reverse route. <i>Nature Communications</i> , 2020 , 11, 30427.4	27.4	33
181	The Tribological Properties of Reduced Graphene Oxide Doped by N and B Species with Different Configurations. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29737-29746	9.5	3
180	Hexagonal boron nitride: A metal-free catalyst for deep oxidative desulfurization of fuel oils. <i>Green Energy and Environment</i> , 2020 , 5, 166-172	5.7	52

179	Construction of 2D-2D V ₂ O ₅ /BNNS nanocomposites for improved aerobic oxidative desulfurization performance. <i>Fuel</i> , 2020 , 270, 117498	7.1	18
178	Solvent-free rapid synthesis of porous CeWO _x by a mechanochemical self-assembly strategy for the abatement of NO _x . <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6717-6731	13	27
177	Graphene-like BN@SiO nanocomposites as efficient sorbents for solid-phase extraction of Rhodamine B and Rhodamine 6G from food samples. <i>Food Chemistry</i> , 2020 , 320, 126666	8.5	23
176	In situ confinement growth of peasecod-like N-doped carbon nanotubes encapsulate bimetallic FeCu alloy as a bifunctional oxygen reaction cathode electrocatalyst for sustainable energy batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 826, 154152	5.7	23
175	Mechanical exfoliation of boron carbide: A metal-free catalyst for aerobic oxidative desulfurization in fuel. <i>Journal of Hazardous Materials</i> , 2020 , 391, 122183	12.8	23
174	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. <i>Chemical Engineering Journal</i> , 2020 , 387, 124138	14.7	40
173	Carbon nitride mediated strong metal-support interactions in a Au/TiO ₂ catalyst for aerobic oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1212-1219	6.8	11
172	Atomic-Layered V ₂ O ₅ Nanosheets Obtained via Fast Gas-Driven Exfoliation for Superior Aerobic Oxidative Desulfurization. <i>Energy & Fuels</i> , 2020 , 34, 2612-2616	4.1	17
171	Boron and Nitride Dual vacancies on Metal-Free Oxygen Doping Boron Nitride as Initiating Sites for Deep Aerobic Oxidative Desulfurization. <i>ChemCatChem</i> , 2020 , 12, 1734-1742	5.2	19
170	Tuning the electrophilicity of vanadium-substituted polyoxometalate based ionic liquids for high-efficiency aerobic oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2020 , 271, 118936	21.8	66
169	Synergistic effect of dual Brønsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. <i>Chemical Engineering Journal</i> , 2020 , 394, 124831	14.7	58
168	Rapid capture and efficient removal of low-concentration SO ₂ in simulated flue gas by hypercrosslinked hollow nanotube ionic polymers. <i>Chemical Engineering Journal</i> , 2020 , 394, 124859	14.7	38
167	Synthesis of carbon nitride supported amphiphilic phosphotungstic acid based ionic liquid for deep oxidative desulfurization of fuels. <i>Journal of Molecular Liquids</i> , 2020 , 308, 113059	6	11
166	Unraveling the mechanism of CO capture and separation by porous liquids.. <i>RSC Advances</i> , 2020 , 10, 42706-42717	9.6	37
165	Extraction combined catalytic oxidation desulfurization of petcoke in ionic liquid under mild conditions. <i>Fuel</i> , 2020 , 260, 116200	7.1	15
164	Rapid gas-assisted exfoliation promises V ₂ O ₅ nanosheets for high performance lithium-sulfur batteries. <i>Nano Energy</i> , 2020 , 67, 104253	17.1	74
163	Macroscopic 3D boron nitride monolith for efficient adsorptive desulfurization. <i>Fuel</i> , 2020 , 261, 116448	7.1	18
162	Synergistic Catalysis of the PtCu Alloy on Ultrathin BN Nanosheets for Accelerated Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2032-2039	8.3	10

161	Taming wettability of lithium ion sieve via different TiO ₂ precursors for effective Li recovery from aqueous lithium resources. <i>Chemical Engineering Journal</i> , 2020 , 392, 123731	14.7	33
160	Tailoring Electronic Properties of Porphyrin Manganese on Boron Nitride for Enhancing Aerobic Oxidative Desulfurization at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1015-1022	8.3	16
159	Lipophilic decavanadate supported by three-dimensional porous carbon nitride catalyst for aerobic oxidative desulfurization. <i>Molecular Catalysis</i> , 2020 , 483, 110709	3.3	9
158	Few Layer g-C ₃ N ₄ Dispersed Quaternary Phosphonium Ionic Liquid for Highly Efficient Catalytic Oxidative Desulfurization of Fuel. <i>Energy & Fuels</i> , 2020 , 34, 12379-12387	4.1	13
157	Deep eutectic solvent-induced high-entropy structures in boron nitride for boosted initiation of aerobic oxidative desulfurization of diesel. <i>Applied Surface Science</i> , 2020 , 529, 146980	6.7	10
156	Deep Understanding of Strong Metal Interface Confinement: A Journey of Pd/FeO _x Catalysts. <i>ACS Catalysis</i> , 2020 , 10, 8950-8959	13.1	58
155	The interaction nature between hollow silica-based porous ionic liquids and CO: A DFT study. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 100, 107694	2.8	9
154	Rational design of the carbon doping of hexagonal boron nitride for oxygen activation and oxidative desulfurization. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24310-24319	3.6	2
153	Theoretical prediction of F-doped hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 101, 107715	2.8	4
152	Dispersing TiO ₂ Nanoparticles on Graphite Carbon for an Enhanced Catalytic Oxidative Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 18471-18479	3.9	24
151	Aerobic oxidative desulfurization via magnetic mesoporous silica-supported tungsten oxide catalysts. <i>Petroleum Science</i> , 2020 , 17, 1422-1431	4.4	11
150	Space-Confined Yolk-Shell Construction of Fe ₃ O ₄ Nanoparticles Inside N-Doped Hollow Mesoporous Carbon Spheres as Bifunctional Electrocatalysts for Long-Term Rechargeable Zinc-Air Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2005834	15.6	51
149	Phosphomolybdic ionic liquid supported hydroxyapatite for heterogeneous oxidative desulfurization of fuels. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	3
148	Hexagonal boron nitride adsorbent: Synthesis, performance tailoring and applications. <i>Journal of Energy Chemistry</i> , 2020 , 40, 99-111	12	30
147	The electronic structure and physicochemical property of boron nitridene. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 94, 107475	2.8	1
146	Synthesis of hierarchical porous BCN using ternary deep eutectic solvent as precursor and template for aerobic oxidative desulfurization. <i>Microporous and Mesoporous Materials</i> , 2020 , 293, 109788	5.3	24
145	In-situ synthesis strategy for CoM (M = Fe, Ni, Cu) bimetallic nanoparticles decorated N-doped 1D carbon nanotubes/3D porous carbon for electrocatalytic oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152470	5.7	27
144	3D-printing of integrated spheres as a superior support of phosphotungstic acid for deep oxidative desulfurization of fuel. <i>Journal of Energy Chemistry</i> , 2020 , 45, 91-97	12	28

143	Boosting aerobic oxidative desulfurization performance in fuel oil via strong metal-edge interactions between Pt and h-BN. <i>Chemical Engineering Journal</i> , 2020 , 380, 122526	14.7	71
142	Lattice-Refined Transition-Metal Oxides via Ball Milling for Boosted Catalytic Oxidation Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36666-36675	9.5	18
141	Promoting Pt catalysis for CO oxidation via the Mott-Schottky effect. <i>Nanoscale</i> , 2019 , 11, 18568-18574	7.7	6
140	Novel CNT/PbBiO ₂ Br hybrid materials with enhanced broad spectrum photocatalytic activity toward ciprofloxacin (CIP) degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 382, 111901	4.7	18
139	Gas-assisted exfoliation of boron nitride nanosheets enhancing adsorption performance. <i>Ceramics International</i> , 2019 , 45, 18838-18843	5.1	20
138	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. <i>Green Chemistry</i> , 2019 , 21, 3074-3080	10	87
137	Reactable ionic liquid in situ-induced synthesis of Fe ₃ O ₄ nanoparticles modified N-doped hollow porous carbon microtubes for boosting multifunctional electrocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 849-858	5.7	14
136	Sacrificing ionic liquid-assisted anchoring of carbonized polymer dots on perovskite-like PbBiO ₂ Br for robust CO ₂ photoreduction. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 551-559	21.8	55
135	Supported phosphotungstic-based ionic liquid as an heterogeneous catalyst used in the extractive coupled catalytic oxidative desulfurization in diesel. <i>Research on Chemical Intermediates</i> , 2019 , 45, 4315-4334	2.8	8
134	Few-Layer Boron Nitride with Engineered Nitrogen Vacancies for Promoting Conversion of Polysulfide as a Cathode Matrix for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019 , 25, 8112-8117	4.8	27
133	Tuning interfacial electronic properties of carbon nitride as an efficient catalyst for ultra-deep oxidative desulfurization of fuels. <i>Molecular Catalysis</i> , 2019 , 468, 100-108	3.3	19
132	Preparation of highly dispersed WO ₃ /few layer g-C ₃ N ₄ and its enhancement of catalytic oxidative desulfurization activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 572, 250-258	5.1	34
131	Size-Dependent Activity of Iron-Nickel Oxynitride towards Electrocatalytic Oxygen Evolution. <i>ChemNanoMat</i> , 2019 , 5, 883-887	3.5	5
130	Ionic liquid immobilized on magnetic mesoporous microspheres with rough surface: Application as recyclable amphiphilic catalysts for oxidative desulfurization. <i>Applied Surface Science</i> , 2019 , 484, 1027-1034	6.7	26
129	Polyoxometalate-Based Poly(ionic liquid) as a Precursor for Superhydrophobic Magnetic Carbon Composite Catalysts toward Aerobic Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15755-15761	8.3	40
128	Synthesis of N,O-Doped Porous Graphene from Petroleum Coke for Deep Oxidative Desulfurization of Fuel. <i>Energy & Fuels</i> , 2019 , 33, 8302-8311	4.1	19
127	Metal-based ionic liquid assisted synthesis of highly dispersed mesoporous Fe(III)/SiO ₂ for enhanced adsorption of antibiotics. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 3815-3824	3.5	6
126	Design of Lewis Acid Centers in Bundlelike Boron Nitride for Boosting Adsorptive Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 13303-13312	3.9	23

125	Molybdenum-containing dendritic mesoporous silica spheres for fast oxidative desulfurization in fuel. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 451-458	6.8	39
124	Boosting photocatalytic degradation of RhB via interfacial electronic effects between Fe-based ionic liquid and g-C ₃ N ₄ . <i>Green Energy and Environment</i> , 2019 , 4, 198-206	5.7	22
123	The mechanism of thiophene oxidation on metal-free two-dimensional hexagonal boron nitride. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21867-21874	3.6	16
122	Synthesis of porous carbon a waste tire leavening strategy for adsorptive desulfurization.. <i>RSC Advances</i> , 2019 , 9, 30575-30580	3.7	3
121	Magnetic mesoporous nanospheres supported phosphomolybdate-based ionic liquid for aerobic oxidative desulfurization of fuel. <i>Journal of Colloid and Interface Science</i> , 2019 , 534, 239-247	9.3	87
120	Immobilizing Highly Catalytically Molybdenum Oxide Nanoparticles on Graphene-Analogous BN: Stable Heterogeneous Catalysts with Enhanced Aerobic Oxidative Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 863-871	3.9	37
119	O ₂ Activation and Oxidative Dehydrogenation of Propane on Hexagonal Boron Nitride: Mechanism Revisited. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2256-2266	3.8	25
118	Magnetic supported ionic liquid catalysts with tunable pore volume for enhanced deep oxidative desulfurization. <i>Journal of Molecular Liquids</i> , 2019 , 274, 293-299	6	30
117	A comparative study of the extractive desulfurization mechanism by Cu(II) and Zn-based imidazolium ionic liquids. <i>Green Energy and Environment</i> , 2019 , 4, 38-48	5.7	31
116	Silver Nanoparticle-Decorated Boron Nitride with Tunable Electronic Properties for Enhancement of Adsorption Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4948-4957	8.3	48
115	Advanced Overlap Adsorption Model of Few-Layer Boron Nitride for Aromatic Organic Pollutants. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4045-4051	3.9	19
114	Controllable preparation of highly dispersed TiO ₂ nanoparticles for enhanced catalytic oxidation of dibenzothiophene in fuels. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4351	3.1	4
113	Boron defect engineering in boron nitride nanosheets with improved adsorptive desulfurization performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 64, 383-389	6.3	23
112	SBA-15 supported molybdenum oxide towards efficient catalytic oxidative desulfurization: effect of calcination temperature of catalysts. <i>Journal of the Chinese Advanced Materials Society</i> , 2018 , 6, 44-54		3
111	An accurate empirical method to predict the adsorption strength for Ebrbital contained molecules on two dimensional materials. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 82, 93-100	2.8	15
110	Silicotungstic acid immobilized on lamellar hexagonal boron nitride for oxidative desulfurization of fuel components. <i>Fuel</i> , 2018 , 213, 12-21	7.1	40
109	Superparamagnetic Mo-containing core-shell microspheres for catalytic oxidative desulfurization of fuel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 537, 243-249	5.1	21
108	Surface Defect Engineering in 2D Nanomaterials for Photocatalysis. <i>Advanced Functional Materials</i> , 2018 , 28, 1801983	15.6	260

107	HO decomposition mechanism and its oxidative desulfurization activity on hexagonal boron nitride monolayer: A density functional theory study. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 84, 166-173	2.8	10
106	Ionic liquid-supported 3DOM silica for efficient heterogeneous oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2478-2485	6.8	24
105	Synthesis of WO ₃ /mesoporous ZrO ₂ catalyst as a high-efficiency catalyst for catalytic oxidation of dibenzothiophene in diesel. <i>Journal of Materials Science</i> , 2018 , 53, 15927-15938	4.3	26
104	Taming electronic properties of boron nitride nanosheets as metal-free catalysts for aerobic oxidative desulfurization of fuels. <i>Green Chemistry</i> , 2018 , 20, 4453-4460	10	79
103	Activated boron nitride ultrathin nanosheets for enhanced adsorption desulfurization performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 245-252	5.3	12
102	Gas-exfoliated porous monolayer boron nitride for enhanced aerobic oxidative desulfurization performance. <i>Nanotechnology</i> , 2018 , 29, 025604	3.4	17
101	Fabrication of oxygen-defective tungsten oxide nanorods for deep oxidative desulfurization of fuel. <i>Petroleum Science</i> , 2018 , 15, 849-856	4.4	8
100	Catalytic oxidative desulfurization of fuels in acidic deep eutectic solvents with [(C ₆ H ₁₃) ₃ P(C ₁₄ H ₂₉)] ₃ PMo ₁₂ O ₄₀ as a catalyst. <i>Petroleum Science</i> , 2018 , 15, 841-848	4.4	19
99	Polyoxometalate-based silica-supported ionic liquids for heterogeneous oxidative desulfurization in fuels. <i>Petroleum Science</i> , 2018 , 15, 882-889	4.4	6
98	Synthesis of amphiphilic peroxophosphomolybdates for oxidative desulfurization of fuels in ionic liquids. <i>Petroleum Science</i> , 2018 , 15, 890-897	4.4	6
97	Amorphous TiO ₂ -supported Keggin-type ionic liquid catalyst catalytic oxidation of dibenzothiophene in diesel. <i>Petroleum Science</i> , 2018 , 15, 870-881	4.4	13
96	Decavanadates anchored into micropores of graphene-like boron nitride: Efficient heterogeneous catalysts for aerobic oxidative desulfurization. <i>Fuel</i> , 2018 , 230, 104-112	7.1	62
95	One-Pot Extraction and Oxidative Desulfurization of Fuels with Molecular Oxygen in Low-Cost Metal-Based Ionic Liquids. <i>Energy & Fuels</i> , 2017 , 31, 1376-1382	4.1	26
94	Metal-free boron nitride adsorbent for ultra-deep desulfurization. <i>AIChE Journal</i> , 2017 , 63, 3463-3469	3.6	39
93	Graphene-like boron nitride anchored Brønsted acid ionic liquids as metal-free catalyst for advanced oxidation process. <i>Molecular Catalysis</i> , 2017 , 436, 53-59	3.3	22
92	Taming interfacial electronic properties of platinum nanoparticles on vacancy-abundant boron nitride nanosheets for enhanced catalysis. <i>Nature Communications</i> , 2017 , 8, 15291	17.4	154
91	Graphene-analogue molybdenum disulfide for adsorptive removal of tetracycline from aqueous solution: equilibrium, kinetic, and thermodynamic studies. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 815-821	2.5	18
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83	Tuning electronic properties of boron nitride nanoplate via doping carbon for enhanced adsorptive performance. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 121-128	9.3	31
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